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8+1 ne immune to the social media echo chamber?  
 21 2014 by Vincent F Hendricks, The Conversation  
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We're all singing from the same hymn sheet and that's not a good thing. Credit: InfoMofo, CC BY-SA

It's becoming increasingly obvious that as we spend more time communicating via social media, we are disappearing into bubbles. We receive information from the same sources and witness the views of the same people in our personalised newsfeeds every day. But it also seems like living in our bubble is having an effect on our own opinions and how we formulate them.



An interesting statistical regularity has been documented about group deliberation. This phenomenon has been called group or attitude [polarisation](#), or just polarisation for short. It's something that has been intensively studied by [Cass Sunstein](#), a Harvard law professor and former Administrator of the White House Office of Information and Regulatory Affairs.

Sunstein says that deliberation appears to move groups of people of accord opinion "toward a more extreme point in the direction indicated by their own pre-deliberation judgments".

Polarisation explains why it might not always be an advantage to be in the company of like-minded people, or people sharing the same view, no matter how comfortable it may seem. If we're already in agreement about something, we only grow to agree even more by discussing the matter.

The mere discussion of, or deliberation over, a certain matter or opinion in a group may shift the position of the entire group in a more radical direction. The point of view of each group member may even shift to a more extreme version of the viewpoint they entertained before deliberating.

Take for example Monica, a 14-year-old zealous fan of social media. She not only uses Facebook, Instagram, and Twitter but has also joined Spring.me, one of the most recent additions to the pool of virtual interpersonal devices. The site invites users to "Share your perspective on anything", newcomers are told as they sign up to the network. And unfortunately, they really do.

An anonymous derisive comment recently surfaced on the site aimed at a classmate who Monica doesn't particularly care for. Now the classmate erroneously believes that Monica is responsible for the slanderous message. The classmate responds on a wall that everyone can see with "Thanks a bunch Monica, I'll see you on Monday". It doesn't take long before comments of sympathy for the classmate begin to appear along with messages about how terrible and mean Monica really is.

A courageous few try to argue differently, or suggest that perhaps Monica isn't the culprit but soon enough these scarce voices fall silent and the remaining incoming commentaries almost exclusively come from friends and allies of the classmate. The more the messages bounce back and forth and participants deliberate over the matter, the meaner Monica apparently becomes in the eyes of the group. People polarise. It gets to the point where Monica decides to both delete her profile and not go to school on Monday, fearing further reprisals.

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It no longer matters that Monica hasn't actually done anything wrong. The damage is already done and there is no winning strategy that she can take. If she shows up for school on Monday she has to protest her innocence against a narrative that has already been established and grown sufficiently robust among her schoolmates, friends and foes and if she stays home, she is guilty by the associative action of not showing up. Either way, Monica is in trouble.

Polarisation happens when information is filtered to such an extent that we are only exposed to the voices we are already willing to listen to, the sources we are willing to read and the people we are willing to talk to. If you think about who you follow on Twitter, how many are people who you absolutely disagree with?

### Commercial polarisation

If Sunstein is right, your opinion may be shifting, just as happened to Monica's group. And if Sunstein has noticed it, you can bet others have too, including those who might use the phenomenon to sell you something. This sort of filtering could be automated and used for selling products, political agendas or anything else. It can be used to sell you things you like and, as we have seen, things you don't. You may just find yourself in the eye of an [infostorm](#).

Wired journalist Matt Honan recently carried out an [experiment](#) in which he liked everything he saw on Facebook over a period of 48 hours. As we know, Facebook algorithms tailor what you see according to your activity. Honan reported that his newsfeed "took on an entirely new character in a surprisingly short amount of time".

Within about an hour, Honan found his feed entirely bereft of other humans. All he was seeing was ad after ad, brand after brand. In his two-day experiment, Honan ended up in an echo-chamber of marketing. There was no space for disagreement, debate, discussion, exchanges or enlightenment. Gone were the very features that social networks were supposed to facilitate. Even worse, as the feeds became available to friends, the brands and political products started spreading outwards. "Eventually, I would hear from someone who worked at Facebook, who had noticed my activity and wanted to connect me with the company's PR department," Honan wrote.

The polarisation mechanism is as old as we are – but the speed with which this information may spread has taken on proportions never seen before – and the [social media](#) may just turn prime vehicles for polarisation in the information age. All this is not necessarily conducive to human interaction, interpersonal understanding, debate, constructive disagreement, reason and rationality.

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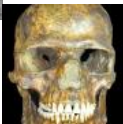
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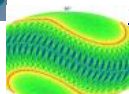
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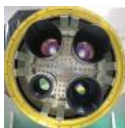


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Social scientists' analysis of 290,119,348 tweets from 193,522 "politically engaged" Twitter users during the 2012 presidential campaign conventions and debates found that a major change in tweeting activity, such as the start of the "busy season" or a new, more demanding boss, can cause employees to act out in ways that hurt the bottom line. But a new study suggests that ...

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Doug Huffman

(Phvs.org) —If nationally televised candidate debates are supposed to stimulate critical thinking and individual expression among the social media set – "Find those responsible for Benghazi, Obama!" or "4 Pinocchio's, ... on Monday, nor fated yet Aug 13, 2014

Edwin Thompson Jaynes formalized this polarization perfectly in his Probability Theory: The Logic of Science (Cambridge 2003), Ch. 5. Queer uses for probability theory, for converging and diverging views (pp. 120-132). In a word, it is the vehemence of the narrator that further polarizes his audience in their original directions.

Report

Facebook's recent effort to force people to adopt its standalone mobile messaging app has privacy-concerned users up in arms. Many of them believe the app is especially invasive.



## Young children actively transmit culture

1 / 5 (2) Aug 13, 2014



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The point of view of each group member may even shift to a more extreme version of the viewpoint they entertained before deliberating. A hammer has many uses – breaking, prying, bending – but we all know that hammers are supposed to be for hammering nails into wood. It turns out we not only learn such cultural conventions when we are young. Very typical for every close social group, including the proponents of mainstream science. Actually the same

not only learn such cultural conventions which were very typical for every close social group, including the proponents of mainstream science. Actually, the same effect happens around black hole, the gravity field which appears relatively more flat for objects which appear inside of it, than for the objects from outside. The motion of such object in such environment gets biased until it will not end at the center. The general reason is, the vacuum is formed with foam, the bubbles of which are shrinking toward center of blackhole, so that the amount of energy scattered in all directions remains relatively the same. The simulation of light motion with metamaterial foam illustrates this effect rather faithfully.

Nov 06, 2014  
Report

Here is an idea worth following: "share" for tenure; "like" to get cited. Academic researchers are turning to social media more and more, according to Dominique Boissard, and not just to post family photos or crack wise via ...

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1 / 5 (1) Aug 13, 2014

Another example is the "<http://en.wikipedia.org/frog>" effect: the large group of people facing some situation don't realize it so easily as the individual people facing such a situation. This effect is not limited to cognitive bias only, but to virtually all aspects of social life. For example the famous proverb "It's a difficult career transition that can lead to more professional frustration and shorter tenure on the job for many of the newest generation of veterans (money) can make more money" just reflects the fact, the rich people are getting rich relatively faster and easier than the people without money. Conversely the poor people are getting poorer faster, which renders the affiliation to middle class layer as somewhat metastable.

## Report

**alfie\_null**

not rated vet Aug 14, 2014

You don't, in a literal sense, pay to use Facebook. Ditto other social media. It's motivated to get you to use it in ways that earn it money. No reason to be surprised at how you are treated.

I wonder if social media as a meme is ephemeral. Some day largely replaced with something entirely different; non-social-media. We churn through a vast number of social media experiments, twists on the basic premise. Few linger; even the big ones. MySpace, Facebook, now Instagram.

## Report

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